

The actual genome:

ATTTACGGGT CCTTACGGGT GG

How the reads should be ordered:

ATTTACGGGT  
ACGGGT CCTT  
6 GT CCTT CTT  
TTT CTT ACGG  
TTACGGGT GG

longest overlap we found

~~ATTTACGGGT~~  
~~TTACGGGT GG~~

8

ATTTACGGGT GG  
not in the genome  
ACGGGT CCTT CTT ACGG  
not in the genome